

Myro

Class MyroListener

java.lang.Object

Myro.MyroListener

```
public class MyroListener extends java.lang.Object
```

Provides a simple interface to determine whether or not key and mouse events have occurred. The "robot connected" and MyroCanvas windows will automatically listen for key/mouse events, and other windows can be included too. (Instructions are included in comments.) Static methods `MyroListener.isKeyPressed()`, `MyroListener.whichKey()`, `MyroListener.isMousePressed()`, and `MyroListener.whichButton()` can be used to determine whether an appropriate event occurred in j. (Note that it is not possible to determine in which frame the event occurred.)

Version:

1.0

Author:

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Field Summary

static int	LEFT BUTTON Constant returned by <code>whichButton</code> to indicate the left mouse button was pressed.
static int	MIDDLE BUTTON Constant returned by <code>whichButton</code> to indicate the middle mouse button was pressed.
static int	RIGHT BUTTON Constant returned by <code>whichButton</code> to indicate the right mouse button was pressed.

Constructor Summary

[MyroListener](#) ()

Method Summary

static void	flushKeys () Flushes any buffered keystrokes that may have been pressed since the last time <code>isKeyPressed()</code> was invoked.
java.awt.event.KeyAdapter	getKeyListener () Returns the <code>KeyAdapter</code> instance created for this instance of <code>MyroListener</code> .
java.awt.event.MouseAdapter	getMouseListener () Returns the <code>MouseListener</code> instance created for this instance of <code>MyroListener</code> .
static boolean	isKeyPressed () Returns true iff a key press event has occurred since the last time <code>isKeyPressed</code> was called.

static boolean	isMousePressed() Returns true iff the mouse has been pressed since the last time isMousePressed was called.
static int	whichButton() Returns an indication of which button was pressed the last time isMousePressed returned true.
static char	whichKey() Returns the key that was pressed when isKeyPressed() returned true.

Methods inherited from class java.lang.Object

[equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Field Detail

LEFT_BUTTON

```
public static final int LEFT_BUTTON
```

Constant returned by whichButton to indicate the left mouse button was pressed.

See Also:

[Constant Field Values](#)

MIDDLE_BUTTON

```
public static final int MIDDLE_BUTTON
```

Constant returned by whichButton to indicate the middle mouse button was pressed.

See Also:

[Constant Field Values](#)

RIGHT_BUTTON

```
public static final int RIGHT_BUTTON
```

Constant returned by whichButton to indicate the right mouse button was pressed.

See Also:

[Constant Field Values](#)

Constructor Detail

MyroListener

```
public MyroListener()
```

Method Detail

flushKeys

```
public static void flushKeys()
```

Flushes any buffered keystrokes that may have been pressed since the last time `isKeyPressed()` was invoked.

getKeyListener

```
public java.awt.event.KeyAdapter getKeyListener()
```

Returns the `KeyAdapter` instance created for this instance of `MyroListener`.

getMouseListener

```
public java.awt.event.MouseAdapter getMouseListener()
```

Returns the `MouseListener` instance created for this instance of `MyroListener`.

isKeyPressed

```
public static boolean isKeyPressed()
```

Returns true iff a key press event has occurred since the last time `isKeyPressed` was called. When `isKeyPressed` returns true, `whichKey()` will return the key that was pressed.

Returns:

True iff a key was pressed since the last time `isKeyPressed` was invoked.

isMousePressed

```
public static boolean isMousePressed()
```

Returns true iff the mouse has been pressed since the last time `isMousePressed` was called.

Returns:

True iff the mouse has been pressed since the last time `isMousePressed` was invoked.

whichButton

```
public static int whichButton()
```

Returns an indication of which button was pressed the last time `isMousePressed` returned true. If the most recent invocation of `isMousePressed` returned false, the return value of `whichButton` is undefined.

Returns:

The most recent button pressed. This will be `MyroListener.LEFT_BUTTON`, `MyroListener.MIDDLE_BUTTON`, or `MyroListener.RIGHT_BUTTON`.

whichKey

```
public static char whichKey()
```

Returns the key that was pressed when `isKeyPressed()` returned true. If the last invocation of `isKeyPressed` returned false, the return value of `whichKey()` is undefined.

Returns:

The key that was pressed the last time `isKeyPressed` returned true.